SLOVENSKI STANDARD

SIST EN 62005-7:2005

februar 2005

Zanesljivost povezovalnih naprav z optičnimi vlakni in pasivnih optičnih komponent – 7. del: Modeliranje dolgotrajnih preobremenitev (IEC 62005-7:2004)

Reliability of fibre optic interconnecting devices and passive optical components - Part 7: Life stress modeling (IEC 62005-7:2004)

ICS 33.180.20

Referenčna številka
SIST EN 62005-7:2005(en)

EUROPEAN STANDARD **EN 62005-7**

NORME EUROPÉENNE

EUROPÄISCHE NORM April 2004

ICS 33.180.20

English version

Reliability of fibre optic interconnecting devices and passive optical components Part 7: Life stress modeling

(IEC 62005-7:2004)

Fiabilité des dispositifs d'interconnexion et des composants optiques passifs à fibres optiques
Partie 7: Modélisation de contrainte de durée de vie
(CEI 62005-7:2004)

Zuverlässigkeit von LWL-Verbindungselementen und passiven LWL-Bauteilen
Teil 7: Beanspruchungsmodelle
(IEC 62005-7:2004)

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC
European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 62005-7:2004 E

Foreword

The text of document 86B/1896/FDIS, future edition 1 of IEC 62005-7, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62005-7 on 2004-04-01.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-01-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-04-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62005-7:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62005-1 NOTE Harmonized as EN 62005-1:2001 (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 62005-2	2001	Reliability of fibre optic interconnecting devices and passive components Part 2: Quantitative assessment of reliability based on accelerated ageing tests - Temperature and humidity; steady state	EN 62005-2	2001
IEC 62005-3	2001	Part 3: Relevant tests for evaluating failure modes and failure mechanisms for passive components	EN 62005-3	2001

NORME INTERNATIONALE

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62005-7

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Fiabilité des dispositifs d'interconnexion et des composants optiques passifs à fibres optiques –

Partie 7: Modélisation de contrainte de durée de vie

Reliability of fibre optic interconnecting devices and passive optical components –

Part 7: Life stress modeling

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RELIABILITY OF FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE OPTICAL COMPONENTS –

Part 7: Life stress modeling

FOREWORD

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International Standard IEC 62005-7 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/1896/FDIS	86B/1906/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62005 consists of the following parts, under the general title *Reliability of fibre optic interconnecting devices and passive optical components*

Part 1: Introductory guide and definitions

Part 2: Quantitative assessment of reliability based on accelerated ageing tests – Temperature and humidity; steady state

Part 3: Relevant tests for evaluating failure modes and failure mechanisms for passive components

Part 4: Product screening

Part 5: Relating accelerated tests to standardized service environments[1]

Part 6: The use of field data to determine, specify and improve component reliability[1]

Part 7: Life stress modelling

Part 8: Test methods and statistical models for estimating reliability: a primer on fundamentals[1]

Part 9: Reliability qualification standard[1]

The committee has decided that the contents of this publication will remain unchanged until 2008. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

1 Under consideration.